

**EMERGENCY RESPONSE REPORT**

**FOR**

**NALCO CHEMICAL RELEASE**

**7701 HIGHWAY 90-A**

**SUGAR LAND, FORT BEND COUNTY, TEXAS**

Prepared for

**U.S. Environmental Protection Agency Region 6**

Linda Carter, Project Officer

1445 Ross Avenue

Dallas, Texas 75202

Contract No. EP-W-06-042

TDD No. TO-0001-07-01-01

WESTON W.O. No. 20406.012.001.0116.01

NRC No. 823133

CERCLIS No. N/A

FPN N/A

EPA OSC Eric Delgado

START-3 PTL Thomas Walzer

Submitted by

**Weston Solutions, Inc.**

Robert Beck, VP, P.E., Program Manager

70 NE Loop 410, Suite 600

San Antonio, Texas 78216

(210) 308-4300

30 January 2007

## PROJECT SUMMARY

This final report describes the U.S. Environmental Protection Agency (EPA) response actions at the NALCO Company Energy Services Division (NALCO) Sugar Land, Texas facility release. The site is located at 7701 Highway 90-A in Sugar Land, Fort Bend County, Texas. The detailed report follows this page, and all attachments are provided as separate portable document format (PDF) files. On 8 January 2007, the Texas Commission on Environmental Quality (TCEQ) notified and requested assistance from the EPA Region 6 Response and Prevention Branch (EPA-RPB) and the National Response Center (NRC No. 823133) concerning a chemical release at the NALCO facility that occurred at approximately 1334 hours on 8 January 2007. The Superfund Technical Assessment and Response Team (START-3) was activated by the EPA-RPB to respond to the site and to initiate all relevant response activities. A representative from TCEQ, Mike Davis, and first responders from NALCO and Sugar Land Fire Department arrived on-site early during the incident. START-3 members Thomas Walzer, Mike Ruckgaber, Joel Shaffer, and Craig Dodd arrived at the incident site on 8 January 2007 at 1700 hours. The EPA START-3 tasks included responding to the incident; conducting air monitoring; and providing written and photographic documentation of response activities. After viewing the air monitoring results and observing cleanup activities by the potentially responsible party (PRP), the EPA On-scene Coordinator (OSC) released the START-3 members from the site on 8 January 2007.

This final report was prepared by Weston Solutions, Inc. under Contract No. EP-W-06-042 for EPA Region 6. The EPA On-scene Coordinator was Eric Delgado, and the START-3 Project Team Leader was Thomas Walzer.

☐

The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.

☒

The EPA Task Monitor has provided final approval of this report. Therefore, Weston Solutions, Inc. has submitted this report with the Task Monitor's approval.

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EMERGENCY RESPONSE REPORT

PROJECT SUMMARY

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1. PROJECT IDENTIFICATION
2. INTRODUCTION
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## 1. PROJECT IDENTIFICATION

**Date:** 30 January 2007

**To:** Eric Delgado, On-scene Coordinator (OSC)  
U.S. Environmental Protection Agency (EPA)  
Region 6, Response and Prevention Branch

**Through:** Linda Carter, Project Officer (PO)  
EPA Region 6, Program Management Branch

**Through:** Robert Beck, VP, P.E., Weston Solutions, Inc. (WESTON®)  
EPA Region 6, Superfund Technical Assessment and Response Team (START-3)  
Program Manager

**From:** Tom Walzer, WESTON  
EPA Region 6, START-3 Project Team Leader

**Subject:** Emergency Response: NALCO Company Facility Chemical Release  
7701 Highway 90-A, Sugar Land, Fort Bend County, Texas  
TDD No. TO-0001-07-01-01  
W.O. No. 20406.012.001.0116.01  
NRC No. 823133  
FPN N/A  
CERCLIS ID N/A  
Latitude 29.619316° North  
Longitude 95.638803° West

Geographic coordinates of the NALCO Company Energy Services Division, (NALCO) facility were determined by START-3 members using the hand-held Global Positioning System (GPS) based on the North American datum-83 with accuracy estimated at +/- 14-feet circular probable error.

## 2. INTRODUCTION

On 8 January 2007, the National Response Center (NRC No. 823133) notified and requested assistance from the U.S. EPA Region 6 Response and Prevention Branch (EPA-RPB) concerning a chemical release at the NALCO chemical facility that occurred at approximately 1334 hours on 8 January 2007 in Sugar Land, Fort Bend County, Texas. The EPA-RPB coordinated response action efforts with the Texas Commission on Environmental Quality (TCEQ). At 1440 hours, the



EPA-RPB notified WESTON, the Region 6 START-3, to perform a response investigation and to initiate all relevant response activities.

### **3. BACKGROUND**

The release occurred at the NALCO Company, Energy Services Division, facility located at 7701 Highway 90-A, which is located in a commercial area of Sugar Land in Fort Bend County, Texas (see Site Area Map, Attachment A and Site Location Map, Attachment B). At approximately 1330 hours, a release of ethylene diamine occurred at the truck loading/unloading facility, resulting in a large plume that rose over the NALCO facility. At the time of the release, the winds were blowing east to west. Ethylene diamine is used at the NALCO facility in the production of water treatment products. It is sludge at ambient temperature and requires heating to load and unload. During the heating process, the content was overheated and the tank became over pressurized. This caused a rupture disk (pressure relief valve) to open and release 6,000-pounds of ethylene diamine in a large plume of vapors. Workers at NALCO were immediately told to shelter-in-place by management. Three workers were sent to the hospital for treatment and 14 others received medical attention as a precaution.

### **4. ACTIONS TAKEN**

On 8 January 2007 at 1440 hours, EPA dispatched START-3 to the scene to assess the situation, to assist in perimeter air monitoring, and to provide support for responders. START-3 arrived at the scene at 1700 hours and was briefed by TCEQ representative Mike Davis. Mr. Davis informed START-3 that the facility had stopped the release and replaced the rupture disk. At 1430 hours, the shelter-in-place was lifted. After conferring with TCEQ and EPA OSC Eric Delgado, START-3 was tasked with determining if product residue from the plume could be collected with a wipe sample. In addition, START-3 was tasked to collect perimeter air samples outside the plant. START-3 was taken to several parking facilities at NALCO by a NALCO representative and observed no product on any vehicles or other surfaces. START-3 determined no wipe samples would be collected due to lack of visible product. At 1800 hours, OSC Delgado released START-3 Ruckgaber and Shaffer from the scene. START-3 Walzer and Dodd remained on scene to collect the perimeter air samples. Six perimeter locations were selected for air

sampling with the Multi Rae five gas monitor. START-3 calibrated air monitoring equipment and conducted air monitoring at a location north of Highway 90-A and at multiple locations south of Highway 90-A. Air monitoring activities were conducted by using the Multi Rae unit to monitor for the presence of volatile organic compounds (VOCs), carbon monoxide (CO), lower explosive limit (LEL), oxygen (O<sub>2</sub>), and hydrogen sulfide (H<sub>2</sub>S). No contaminants were detected as a result of the perimeter air monitoring conducted along Highway 90-A, on 8 January 2007 (See Site Plan, Attachment C and Air Monitoring Results, Attachment H). START-3 demobilized from the site at 1930 hours per EPA OSC request.

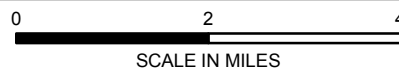
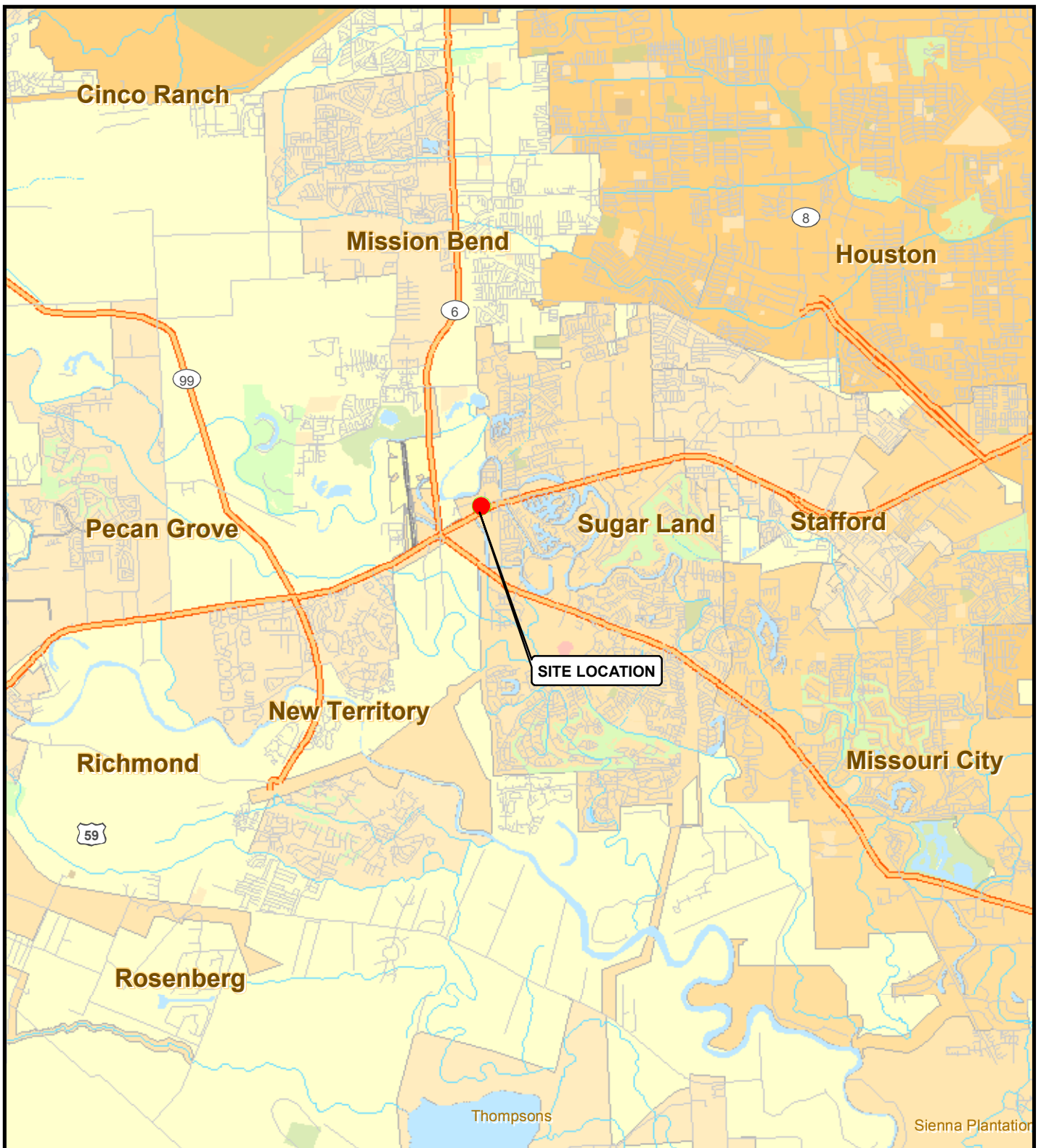
This final report was prepared as part of the requirements of the TDD and serves as documentation of work compiled to date.

## **5. LIST OF ATTACHMENTS**

- A. Site Area Map
- B. Site Location Map
- C. Site Plan
- D. Photographs
- E. Copy of NRC Report No. 823133
- F. Copy of POLREP
- G. Copy of Logbook
- H. Air Monitoring Results
- I. Copy of TDD No. TO-0001-07-01-01

**ATTACHMENT A**

**SITE AREA MAP**



## LEGEND

 SITE LOCATION



## USEPA REGION 6 START-3

**ATTACHMENT A**  
SITE AREA MAP  
NALCO COMPANY SUGARLAND  
ENERGY SERVICES DIVISION  
7701 HIGHWAY 90-A  
SUGAR LAND, FORT BEND COUNTY, TEXAS

DATE  
JAN. 2007

PROJECT NO  
20406.012.0116.01

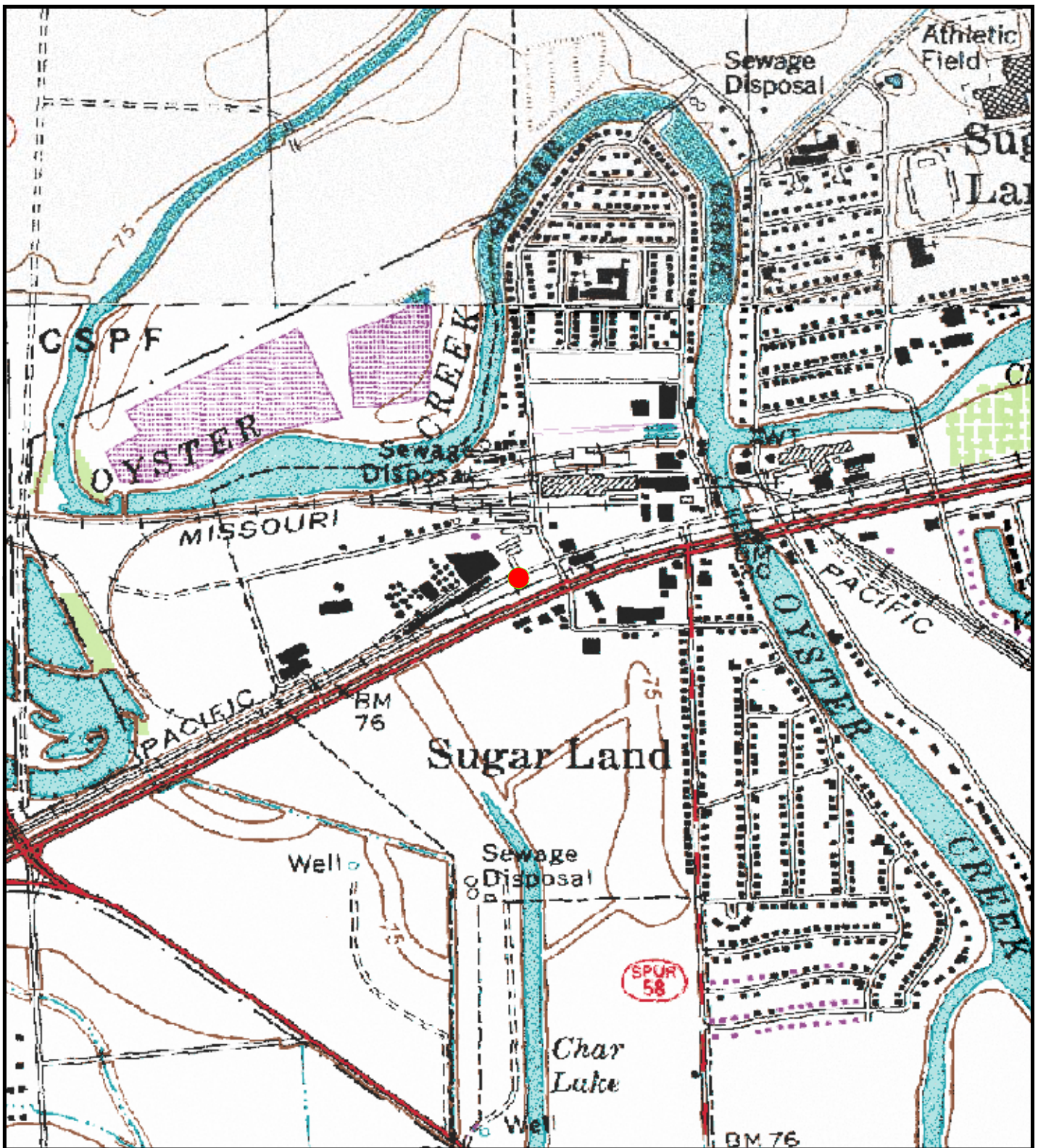
SCALE  
AS SHOWN

NRC: 823133  
TDD: TO-0001-07-01-01  
CONTRACT NUMBER: EP-W-06-042  
SOURCE: ESRI STREETMAPS VERSION 9.1

**ATTACHMENT B**

**SITE LOCATION MAP**

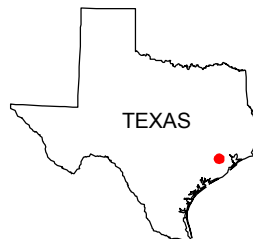




0 1,100 2,200  
SCALE IN FEET

#### LEGEND

● SITE LOCATION



#### USEPA REGION 6 START-3

**ATTACHMENT B**  
SITE LOCATION MAP  
NALCO COMPANY SUGARLAND  
ENERGY SERVICES DIVISION  
7701 HIGHWAY 90-A  
SUGAR LAND, FORT BEND COUNTY, TEXAS

NRC: 823133  
TDD: TO-0001-07-01-01  
CONTRACT NUMBER: EP-W-06-042  
SOURCE: USDA/NRCS

DATE JAN. 2007	PROJECT NO 20406.012.0116.01	SCALE AS SHOWN
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**ATTACHMENT C**

**SITE PLAN MAP**





0 700 1,400  
SCALE IN FEET

## LEGEND

● SITE LOCATION



## USEPA REGION 6 START-3

**ATTACHMENT C**  
SITE PLAN MAP  
NALCO COMPANY SUGARLAND  
ENERGY SERVICES DIVISION  
7701 HIGHWAY 90-A  
SUGAR LAND, FORT BEND COUNTY, TEXAS

NRC: 823133  
TDD: TO-0001-07-01-01  
CONTRACT NUMBER: EP-W-06-042  
SOURCE: USDA/NRCS

DATE  
JAN. 2007

PROJECT NO  
20406.012.0116.01

SCALE  
AS SHOWN



#####START OF SITE#####

01)NALCO

02)

03)Sugar Land, Texas

04)001-07-01-01

05)

#####END OF SITE#####

#####START OF RECORD#####

01)01/08/2006

02)Site map picture

03)20070108\_1800-01.JPG

04)

05)I:\START3\_20406\EmergencyResponse\2007 Nalco Sugar  
Land\Photos\Web\20070108\_1800-01.JPG

06)1800

07)Michael

08)Ruckgaber

09)Thomas

10)Walzer

11)1

12)1

#####END OF RECORD#####

#####START OF RECORD#####

01)01/08/2006

02)Site map picture

03)20070108\_1800-02.JPG

04)

05)I:\START3\_20406\EmergencyResponse\2007 Nalco Sugar  
Land\Photos\Web\20070108\_1800-02.JPG

06)1800

07)Michael

08)Ruckgaber

09)Thomas

10)Walzer

11)1

12)2

#####END OF RECORD#####

#####START OF RECORD#####

01)01/08/2006

02)Chemical equation map

03)20070108\_1818-01.JPG

04)

05)I:\START3\_20406\EmergencyResponse\2007 Nalco Sugar  
Land\Photos\Web\20070108\_1818-01.JPG

06)1818

07)Michael

08)Ruckgaber

09)Thomas

10)Walzer

11)1

12)3

#####END OF RECORD#####

#####START OF RECORD#####

01)01/08/2006  
02)Chemical equation map  
03)20070108\_1819-01.JPG  
04)  
05)I:\START3\_20406\EmergencyResponse\2007 Nalco Sugar  
Land\Photos\Web\20070108\_1819-01.JPG  
06)1819  
07)Michael  
08)Ruckgaber  
09)Thomas  
10)Walzer  
11)1  
12)4  
#####END OF RECORD#####



ADMINISTRATION BLDG.

PLANT OFFICE

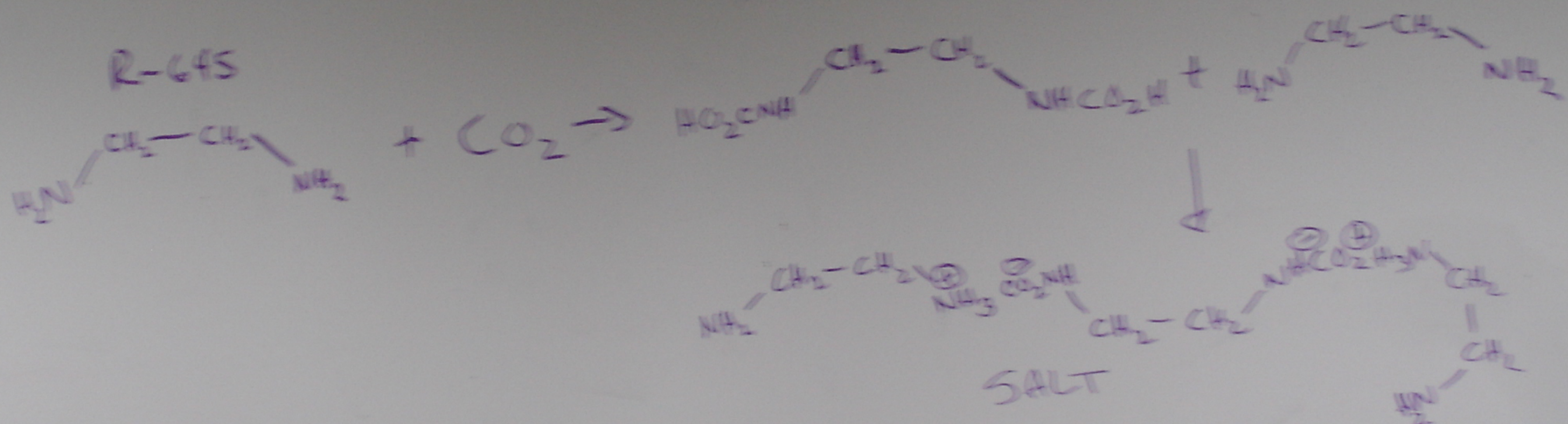
YOU ARE HERE

8 6:00PM



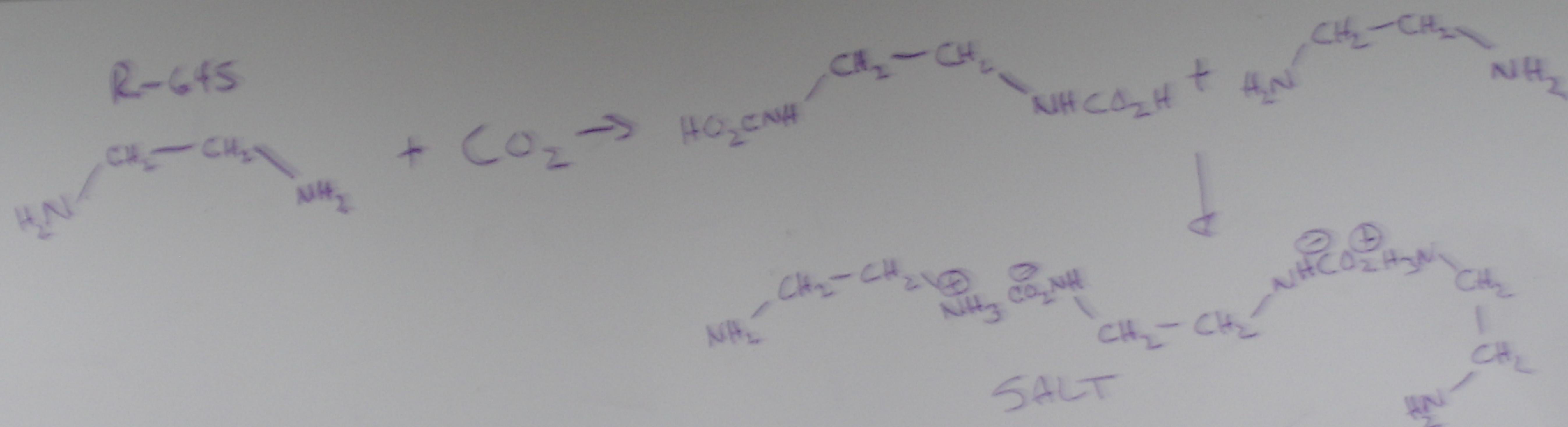






8 6:18PM





8 6:19PM

































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**E** INTERNATIONAL  
TRANSPORTATION  
CORPORATION























The logo for NALCO, featuring a stylized blue 'N' icon followed by the word 'NALCO' in blue, bold, sans-serif capital letters.

**NALCO**

**7105**







**ATTACHMENT E**

**COPY OF NRC REPORT NO. 82133**



NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 823133

INCIDENT DESCRIPTION

\*Report taken at 15:21 on 08-JAN-07

Incident Type: MOBILE

Incident Cause: OTHER

Affected Area:

The incident occurred on 08-JAN-07 at 13:45 local time.

Affected Medium: AIR

---

SUSPECTED RESPONSIBLE PARTY

Organization: NALCO COMPANY  
SUGARLAND, TX

Type of Organization: PRIVATE ENTERPRISE

---

INCIDENT LOCATION

7701 HIGHWAY 90 County: FORT BEND City: SUGARLAND State: TX

---

RELEASED MATERIAL(S)

CHRIS Code: EMX Official Material Name: ETHYLENE DIAMINE (DOW ETHYLENEAM

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT

---

DESCRIPTION OF INCIDENT

CALLER STATED THERE WAS A RELEASE OF ETHYLENE DIAMINE FROM A TANKER TRUCK DUE TO  
EXCESSIVE HEAT DURING A TRANSFER. THERE IS A SHELTER IN PLACE AT THE FACILITY AND  
THERE IS A SHELTER IN PLACE FOR THE TOWN OF SUGARLAND. CALLER ALSO STATED THERE IS A  
LARGE PLUME IN THE AIR.

---

INCIDENT DETAILS

Road Mile Marker:

Length of Service Disruption:

Airbag Deployed: UNKNOWN

---MOBILE INFORMATION---

Vehicle Type: TANKER TRUCK

Vehicle Number: UNKNOWN Trailer/Tanker Number:

Vehicle Fuel Capacity:

Cargo Capacity:

Cargo On Board:

Hazmat Carrier: UNKNOWN

Carrier Licensed: UNKNOWN

Suspected Non Compliance: UNKNOWN

---

DAMAGES

Fire Involved: UNKNOWN Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew:

Passenger:

FATALITIES: NO Empl/Crew: Passenger:

Occupant:

EVACUATIONS: YES Who Evacuated: EVERYONE Radius/Area:

Damages: NO

<u>Closure Type</u>	<u>Description of Closure</u>	<u>Length of Closure</u>	<u>Direction of Closure</u>
Air:	N		
Road:	N		Major Artery: N
Waterway:	N		
Track:	N		

Passengers Transferred: NO  
Media Interest: MEDIUM Community Impact due to Material: YES

---

REMEDIAL ACTIONS

A SHELTER IN PLACE HAS OCCURRED FOR THE FACILITY AND THE TOWN OF SUGARLAND.

Release Secured: NO Release Rate: Estimated Release Duration:

---

WEATHER

Weather: CLEAR, 59°F Wind speed: 4 MPH Wind direction: WSW

---

ADDITIONAL AGENCIES NOTIFIED

Federal: NONE  
State/Local: TCEQ  
State/Local On Scene:  
State Agency Number: 20070087

---

NOTIFICATIONS BY NRC

DOT CRISIS MANAGEMENT CENTER (PRIMARY)  
08-JAN-07 15:30 (202)3661863  
EPA OEM (PRIMARY)  
08-JAN-07 15:33 (202)5643850  
U.S. EPA VI (PRIMARY)  
08-JAN-07 15:32 (866)3727745  
FEDERAL MOTOR CARRIER SAFETY ADMIN (PRIMARY)  
08-JAN-07 15:30 (202)3665373  
JFO-LA (COMMAND CENTER)  
08-JAN-07 15:30 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (PRIMARY)  
08-JAN-07 15:30 (202)2829201  
NOAA RPTS FOR TX (PRIMARY)  
08-JAN-07 15:30 (206)5264911  
NATIONAL RESPONSE CENTER HQ (PRIMARY)  
08-JAN-07 15:32 (202)2671136  
NTSB HIGHWAY (PRIMARY)  
08-JAN-07 15:30 (202)3146293  
NTSB PIPELINE (PRIMARY)  
08-JAN-07 15:30 (202)3146293  
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE HAZARDOUS MATERIALS)

08-JAN-07 15:33 (202)3661863  
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE HAZARDOUS MATERIALS FAX#2)  
08-JAN-07 15:30 (202)3661863  
TCEQ (PRIMARY)  
08-JAN-07 15:30 (512)2392507  
TX DEPT OF STATE HEALTH SERVICES (COMMAND CENTER)  
08-JAN-07 15:30 (512)4587220  
TEXAS STATE OPERATIONS CENTER (COMMAND CENTER)  
08-JAN-07 15:30 (512)4242208

---

ADDITIONAL INFORMATION

CALLER HAD NO FURTHER INFORMATION.

---

\*\*\* END INCIDENT REPORT # 823133 \*\*\*



**ATTACHMENT F**

**COPY OF POLREP**

**United States Environmental Protection Agency  
Region VI  
POLLUTION REPORT**

**Date:** Tuesday, January 09, 2007

**From:** Eric Delgado, Response OSC

**To:** Ragan Broyles, Response and Prevention  
Branch

**Subject:** 1st and Final  
Nalco Sugar Land TX  
7701 Highway 90-A, Sugar Land, TX  
Latitude: 29.619316  
Longitude: -95.638803

<b>POLREP No.:</b>	1	<b>Site #:</b>	
<b>Reporting Period:</b>		<b>D.O. #:</b>	
<b>Start Date:</b>	1/8/2007	<b>Response Authority:</b>	CERCLA
<b>Mob Date:</b>	1/8/2007	<b>Response Type:</b>	Emergency
<b>Completion Date:</b>	1/8/2007	<b>NPL Status:</b>	Non NPL
<b>CERCLIS ID #:</b>		<b>Incident Category:</b>	Removal Assessment
<b>RCRIS ID #:</b>		<b>Contract #</b>	

### Site Description

Reports were received that the Nalco Company had released plume of ethylene diamine from their truck loading/unloading facility in Sugar Land, Fort Bend County, Texas. The release was observed at 1334 hours CT 8 January 2007. At 1421 hours CT the National Response Center received a report that unknown amount of ethylene diamine had been released resulting in a large plume that rose over the Nalco Company, Energy Services Division plant at 7701 Highway 90, Sugar Land, Fort Bend County, Texas. The release resulted due to excessive heat used during the transfer of ethylene diamine from a tanker truck to tanks at the facility. The ethylene diamine is a sludge at ambient temperature and requires heating in order to load or unload. The vessel was overheated and the tank over pressurized resulting in the failure of a rupture disk and a release of a cloud of vapors. A shelter in place for the facility and the town of Sugar Land was issued. One worker was sent to the hospital but was released. In addition, 14 to 16 workers were decontaminated on-site prior to being allowed to go home. Local news reports indicated 20 persons from the surrounding community were evaluated for respiratory distress.

### Current Activities

On 8 January 2007 at 1440 hours, the EPA dispatched EPA Superfund Technical Assessment and Response Team (START) to the scene to assess the situation, assist in perimeter air monitoring, and provide support for responders, such as the Texas Commission on Environmental Quality (TCEQ) and the Sugar Land Fire Department. START arrived on scene at 1700 hours and contacted TCEQ personnel. TCEQ informed START that the facility had replaced the rupture disk and secured the release and released the shelter-in-place at 1430 hours 8 January 2007. After conferring with the TCEQ and EPA OSC Eric Delgado, START performed perimeter air monitoring with a Multi Rae 5 gas meter. The monitoring did not identify any concentrations of volatile organic compounds (VOC) or Lower Explosive Limits (LEL) above background. OSC Delgado tasked START to perform reconnaissance of vehicles in the surrounding neighborhoods to determine if any residues precipitated from the release. Precipitation of byproducts was not observed by START. At 1930 hours on 8 January 2007 the START-3 were released by OSC

Delgado.

### **Planned Removal Actions**

None

### **Next Steps**

EPA plans no further actions at the site.

### **Key Issues**

The main concern of the site was to determine if the area had been impacted.

[www.epaossc.net/NalcoSugarlandTx](http://www.epaossc.net/NalcoSugarlandTx)



**ATTACHMENT G**

**COPY OF LOGBOOK**

"Outdoor writing products for outdoor writing people."



RECYCLABLE

"Rite in the Rain" - A unique All-Weather Writing paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather.

Available in a variety of standard and custom printed case-bound field books, loose leaf, spiral and stapled notebooks, multi-copy sets and copier paper.

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(253) 922-5000 • FAX (253) 922-5300  
[www.RiteintheRain.com](http://www.RiteintheRain.com)

Item No. 391

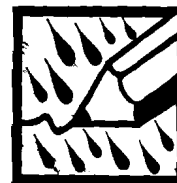
ISBN 1-932149-22-8

©

US PAT NO: 6,863,940



6 32281 39111 1



*"Rite in the Rain"*

ALL-WEATHER  
**JOURNAL**

No. 391

NALCO company Chemical  
Response

Sugar Land, Fort Bend, Texas

TDDT00001-07-01-01



20406-012-001-0116.01

2 TDD TO-0001-07-01-01  
20406-012-001-0116.41  
1-08-07 NALCO Company Chemicals

1440 ER BEEPER ACTIVATED

CALL Jhona ENDERS 214-787-9654

Eric Delgado EPA OSC

214-437-9809

Note: All clear called  
(shelter in place lifted)  
@ 1430 hrs ——— (1)

Note: START3 on scene @  
1700 hrs ——— (1)

R1 - Tom Walzer

R2 - Mike Ruckgaber

R2 - Joel Shaffer

R2 - Craig Dodd — (1)

<sup>3rd</sup>  
1800 START Shaffer and  
start Ruckgaber  
are release per  
OSC ERIC DELGADO — (1)

1820 Cal Multi Rge

# RFW 1936 — (1)

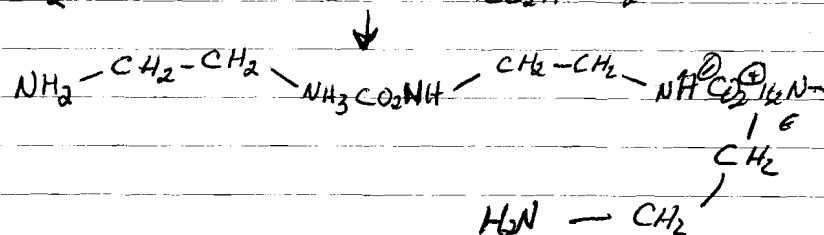
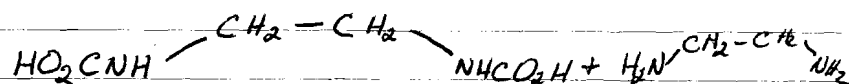
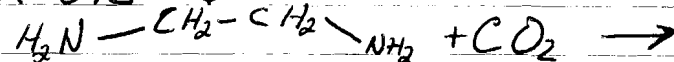
1830 START Shaffer and START  
Ruckgaber released — (1)

TDD TO-0001-07-01-01 20406-012-001-0116.01

1-08-07 NALCO Company Chemical Prod  
1300 - Briefing - ERIC - TAKE MONITORING  
IN AREA; CONTACT

WIRE SAMPLES - POSSIBLE - MIKE DAULS  
TCEQ CHECKS WITH ERIC DELGADO

R-645 - \$



Surface finely divided white powder  
No

DYSTER CREEK; buffered WILL NOT DETECT  
THINK HIGHEST CONCENTRATIONS SHOULD  
BE IN PARKING LOT.

180-190°F IN MORNING 0645;

6,000 gallon

STARTED BEGAN AT 1334 hours EVENT.

CD



4 TDD TO-0001-07-01-01 20406-012001-

1-08-07 NALCO Co. Chemical Re

1827 Collect air sample @

Station 1 Lat 29.626653

Long -95.638548 - bkg reading

See Raide ——— CD

1835 Collect air sample @

Station 2 Lat 29.617871

Long -95.637388 - bkg reading

See Raide ——— CD

1843 Collect air sample @

Station 3 Lat 29.60795

Long -95.634945 - bkg

reading - See Raide ——— CD

1858 Collect air sample @

Station 4 Lat 29.615518

Long -95.644511 - See

Raide ——— CD

1904 Collect air sample @

Station 5 - Lat 29.616393

Long -95.640691 - See Raide

bkg readings - ——— CD

1908 Collect air sample @

Station 6 - Lat 29.618103

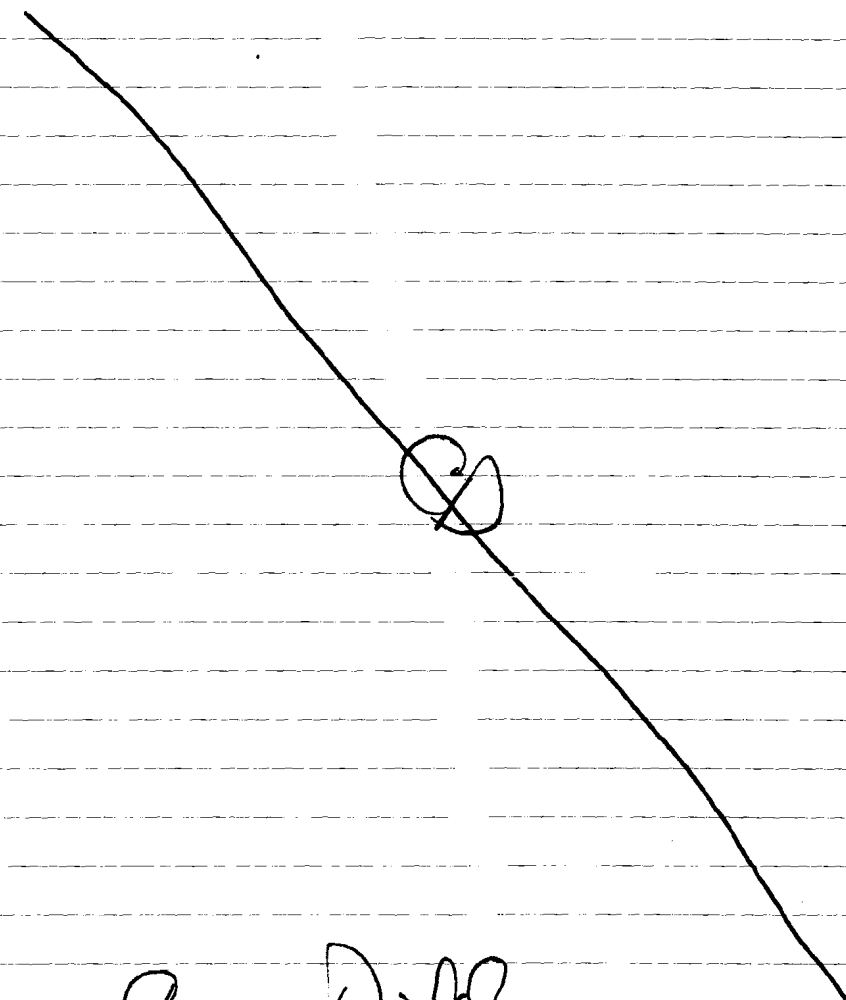
Long -95.639143 -

bkg reading - See Raide

————— CD

TDD TO-000107-01-01 W0 20400-012-0001-0116.g1

1-08-07 NALCO Co. Chemical Release  
1930 Start Walzen START Dodd  
released from Scene @ NALCO  
Co. Chemical Release - return  
to Weston Warehouse - CD

  
- Gary Dodd - 1-08-07

6 TDD TO-0001-07-01-01 2040000000  
012-001-0116-0

1-25-07 NACCO Chemical Release  
Close out Log book

— Craig Bell - 1-25-07

**ATTACHMENT H**

**AIR MONITORING RESULTS**



ATTACHMENT H  
TABLE 1 - AIR MONITORING LOCATIONS  
NALCO COMPANY CHEMICAL RELEASE  
SUGAR LAND, FORT BEND COUNTY, TEXAS

Station_Name	Latitude	Longitude
01	29.626653	-95.638548
02	29.617871	-95.637388
03	29.60795	-95.634945
04	29.615518	-95.644511
05	29.616393	-95.640691
06	29.618103	-95.639143

ATTACHMENT H  
TABLE 2 - AIR MONITORING RESULTS  
NALCO COMPANY CHEMICAL RELEASE  
SUGAR LAND, FORT BEND COUNTY, TEXAS

Station ID	Date	Time	H2S (ppm)	LEL (%)	CO (ppm)	VOC (ppm)
01	08-Jan-07	1827	0	5	2	0
02	08-Jan-07	1835	2	0	0	6
03	08-Jan-07	1843	2	0	6	0
04	08-Jan-07	1858	3	10	0	0
05	08-Jan-07	1904	10	0	0	2
06	08-Jan-07	1908	2	0	0	10

**ATTACHMENT I**

**COPY OF TDD NO. TO-0001-07-01-01**



U.S. EPA  
Washington, DC 20460

**START3**  
**Technical Direction Document**

Response Activities- REMOVAL  
Funds (0001)  
Weston Solutions, Inc.

TDD #: TO-0001-07-01-01  
Contract: EP-W-06-042

! = required field

<b>TDD Name:</b> NALCO Sugar Land TX		<b>! Period:</b> Base Period
<b>! Purpose:</b> Work Assignment Initiation		<b>Verbal Date:</b> 01/08/2007
<b>! Priority:</b> High		<b>! Start Date:</b> 01/08/2007
<b>Overtime:</b> Yes		<b>! Completion Date:</b> 03/02/2007
<b>! Funding Category:</b> Removal		<b>Invoice Unit:</b>
<b>! Project/Site Name:</b> NALCO Sugar Land TX		<b>WorkArea:</b> RESPONSE ACTIVITIES
<b>Project Address:</b> 7701 Highway 90-A		<b>Activity:</b> Emergency Response
<b>County:</b> Harris		<b>Work Area Code:</b>
<b>City, State:</b> Sugar Land, TX		<b>Activity Code:</b> RV
<b>Zip:</b> 77478		<b>EMERGENCY CODE:</b> <input type="checkbox"/> KAT <input type="checkbox"/> RIT
<b>! SSID:</b> A668		<b>FPN:</b>
<b>CERCLIS:</b>		<b>Performance Based:</b> No
<b>Operable Unit:</b>		
<b>Authorized TDD Ceiling:</b>	<b>Cost/Fee</b>	<b>LOE (Hours)</b>
<b>Previous Action(s):</b>	\$0.00	0.0
<b>This Action:</b>	\$13,000.00	0.0
<b>New Total:</b>	\$13,000.00	0.0

**Specific Elements** - Collect facts regarding the discharge or release to include its source and cause, - Identify potentially responsible parties, - Analyze the nature amount and location of discharged or released materials, - Analyze the probable direction and time of travel of discharged or released materials, - Analyze the potential impact on human health welfare and safety and the environment posed by the release of hazardous substances contaminants or pollutants and discharge of oil, - Observe and document federal state and private actions taken to conduct a response action

**Description of Work:**

Tier 1 response. NRC # 823133.

Perform air monitoring and coordinate with OSC Delgado

**Accounting and Appropriation Information**

SFO: 22

Line	DCN	IFMS	Budget/ FY	Appropriati on Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	RVC025	ABF	06	TCD	6A00E	302DC6C	2505	A668RV00	C001	\$13,000.00

Funding Summary:	Funding
<b>Previous:</b>	\$0.00
<b>This Action:</b>	\$13,000.00
<b>Total:</b>	\$13,000.00

**Funding Category**

Removal

Section



**- Signed by Linda Carter/R6/USEPA/US on 01/10/2007 03:51:45 PM, according to Jeff Criner/rfw-start/us**

: Eric Delgado

**Date:** 01/10/2007

**Phone #:** 214-437-9809

**Project Officer Section - Signed by Linda Carter/R6/USEPA/US on 01/10/2007 04:03:11 PM, according to Jeff Crine**

**Project Officer:** Linda Carter

**Date:** 01/10/2007

**Contracting Officer Section - Signed by Tobin Osterberg/R6/USEPA/US on 01/10/2007 04:10:15 PM, according to J**

**Contracting Officer:** Tobin Osterberg

**Date:** 01/10/2007

**Contractor Section**

**Contractor Contact:**

**Date:**